an address memory for storing at least one of an address of the recording medium and an address of the buffer memory when data recording on the recording medium is interrupted, each address indicating a location of data when the recording interruption occurred;

a synchronizing circuit for sequentially reading the data recorded on the recording medium prior to the recording interruption and the data stored in the buffer memory prior to the recording interruption and synchronizing the recorded data and the stored data;

a restart circuit for restarting data recording on the recording medium based on the address stored in the address memory and;

an interrupt control circuit for interrupting data recording when a predetermined state is detected and the laser beam is generated at a relatively low power level.

7. (Amended) A controller for a data recorder, wherein the data recorder records data on a recording medium by emitting a laser beam against the recording medium, wherein the data is formed by a plurality of sectors, each of the sectors including a synch pattern that has a predetermined number of bits representing a low level, the controller comprising:

a laser drive circuit, which controls the power level of the laser beam, wherein the laser beam is generated at a low power level in accordance with the low level of the synch pattern; and

an interrupt control circuit for continuing recording until an interval between sectors appears when detecting a predetermined state and interrupting the recording operation when the laser beam is generated at the low power level in accordance in with the synch pattern of a sector.

8. (Amended) A method for interrupting data recording in a data recorder, wherein the data recorder records data on a recording medium by emitting a laser beam against the recording medium, and the data is formed by a plurality of sectors, each of the sectors including a synch pattern that has a predetermined number of bits representing a low level, wherein the laser beam is generated at a low power level in accordance with the low level of the synch pattern, the method comprising:

continuing recording until an interval between sectors appears when a predetermined state is detected; and interrupting the recording operation when the laser beam is generated at the low power level in accordance with the synch pattern of a sector.